

ORGASOL® cosmetics

The **ORGASOL®** brand covers a broad spectrum of **ultrafine polyamide** powders obtained by polymerizing lauryllactam and/or caprolactam. The original method of synthesizing ORGASOL® powders gives them an extremely narrow particle size distribution, and a substantially different structure and morphology from ground powders.

ORGASOL® applications :

- ORGASOL® for color cosmetics
- ORGASOL® for skin care products
- ORGASOL® for perfumed products and toileteries

The **spheroidal shape** of ultrafine ORGASOL® powders is key to their **soft** texture. Their **micro-porous structure** delivers a fine **mat** effect for make-up and skin care products, while at the same time allowing the skin to breathe.

ATOFINA has met market needs by leveraging the capacity of the products porosity structure to absorb excess sebum and fix perfumes during the preparation of cosmetics. By transforming its products into **carriers** for such **active ingredients** as vitamins, sun filters and so on. ORGASOL® can be integrated into foundations, lipsticks, loose and compact powder, providing the protection afforded by these ingredients, and ensuring they are properly applied. It also delivers the timed-release properties much sought after by cosmetics specialists.

Different product grades are due to:

- The type of polyamide used (PA 6, PA 12 or PA 6/12)
- A diameter of between 5 and 20 µm
- Porosity
- Specific area (from 2 to 20 m²/g)
- Shape

ORGASOL® for color cosmetics

ORGASOL® is widely used in color cosmetic products that require texturing, smooth surface spread, and improved powder dispersion. It also helps the compaction process. Due to its porous structure, ORGASOL® can absorb excess bonding agents by preventing the "caked" from coating over. It can also give the skin a mat finish by absorbing excess sebum, and reduces lip stick exudation. This polyamide enables cosmetic products to be applied evenly over the whole face, as well as adding volume to eyelashes, and improving abrasion resistance in nail polish. It is used in manufacturing pressed powder, loose powder, foundation powders, compacts and liquids, tinted foundation creams, lipstick, mascara, eye-liners and nail polish.

ORGASOL® for skin care products

Moisturizing, anti-wrinkle, anti-age and sun protection products also contain ORGASOL® to improve their texturing, ease of application and spreadability on, especially for body creams. ORGASOL® can help reduce the unwanted shine and stickiness of some creams.

ORGASOL® for perfumed products and toileteries

ORGASOL® particles of 5 and 10 µm do not obstruct aerosol valves and are much appreciated for their surface lubrication properties in such applications. Due to their porosity, they can partly absorb perspiration, and they act as an excellent carrier for perfumes. Which is why ORGASOL® is also found in anti-perspirants and anti-deodorants, and also in shaving products (foam and after-shave products).

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PRODUCT NAME	copolyamides 6-12 (ultra-fine powders) polyamides 6, 12 (ultrafine powders) ultra-fine powders based on polyamides 6, 12 or on copolyamides
MARKETING BY	ATOFINA
MARKETS / SECTORS	Adhesives Automotive Electronics Health Paints, varnishes and inks Plastic and rubber Pulp and Paper Sports and leisures
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